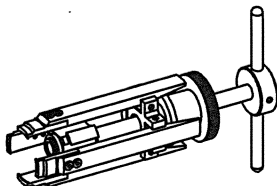
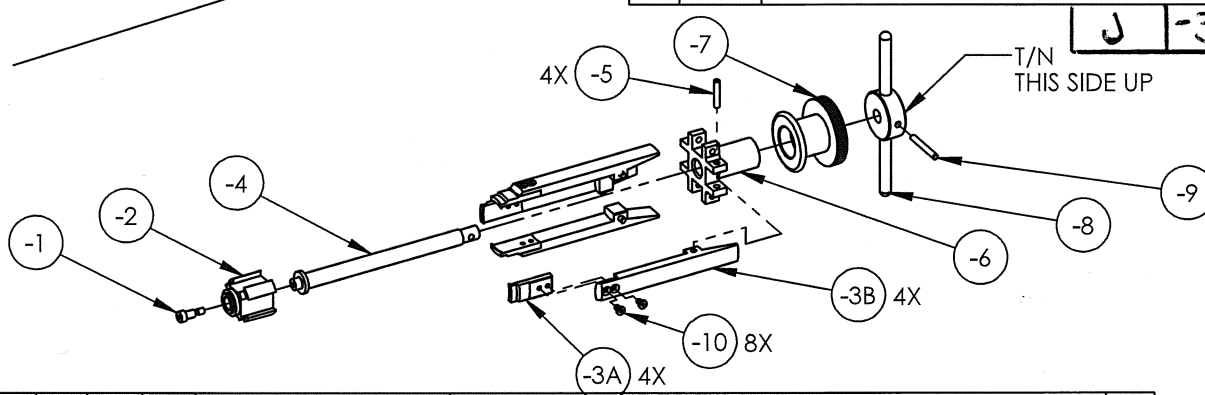


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CHANGED -7 C-BORE DEPTH FROM 1/4 TO 7/16. CHANGED -3A TO EXTRACTING 8 PIECES FROM EACH TUBE. -3B CHANGED TO EXTRACTION 7 PIECES FROM TUBE.	11/11/2005	WP	DW
2		-3A CORRECTED O.D. & CHANGED .749 TO .812.	2/18/2006	WP	DW
3		-3A CHANGED DIMENSION .812 TO .850.	3/28/2006	WP	DW
4		-3A CHANGED HEAT TREAT TO OPTIMAL SETTING, WAS RC 36-40.	1/8/2008	WP	DW
5		CREATED NEW FILE WITH NEW PAGE FORMAT, AND ADDED ALL OF THE PART DWG'S. WAS 3A&3B.	3/3/2015	WP	RW
6		ADDED P/N'S BOM -1, -5, -9, -10, SEPARATED PARTS TO INDIVIDUAL PG'S. CH'D DIMENSION TO LOCATE FLAT FROM .188 (x4) TO .460 (x4) -2 & ADDED P.F. -5 TO DOWEL PIN HOLE -3B PER G.E. ADDED RB TO TOOL NUMBER IN TITLEBLOCK.	4/26/2011	RJC	RW
7	15-0051	UPDATED TO NEW DRAFTING STANDARDS. -2 CH'D DIM WAS Ø.374-.376 IS Ø.3750-.3759. -3B CH'D DIMS WAS Ø2.500 IS (Ø2.500), WAS Ø.1870-.1875 P.F. -5 IS Ø.1869-.1874. REMOVED HEAT TREAT. -4 CH'D DIMS WAS Ø.375 S.F. -2 IS Ø.3734-3740. WAS Ø.4370-.4375 S.F. -8A IS Ø.4356-.4363. -6 CH'D DIM WAS 4X Ø.1880-.1885 S.F. -5 IS 4X Ø.1886-.1893. -8A CH'D DIMS WAS Ø.1870-.1875 P.F. -9 IS Ø.1886-.1893. WAS Ø.4377-.4382 THRU S.F. -4 IS Ø.4375-.4385 THRU ALL. WAS 2X Ø.3750-.3755 $\nabla$ 1/4 P.F. -8B IS 2X Ø.38 $\nabla$ .25 S.F. -8B. ADDED ENGRAVE NOTE. CH'D TOLERANCE ON NON-CRITICAL DIMENSIONS.	3/3/2015	DPD	JAG
8	16-0218	-2 CH'D DIM WAS Ø.3759/.3750 IS Ø.3759/.3750 (S.F. -4). -3A, -3B, -4, -6, -8 ADDED FINISH SPEC QMSI-6-2.2, B.O. REV D. -3B, -4, -6 CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142. ADDED HEAT TREAT RC 28-34. -3B CH'D DIM WAS (Ø2.500) IS Ø2.50. WAS 2X Ø.170 THRU ALL $\nabla$ Ø.36 X 82°, IS 2X Ø.170 THRU ALL $\nabla$ Ø.31 X 82°, WAS Ø.1874/.1869 THRU IS Ø.1874/.1869 THRU (P.F. -5). -4 CH'D DIM WAS (Ø.750) IS .75. WAS Ø.3740/.3734 IS Ø.3740/.3734 (S.F. -2). WAS Ø.4363/.4356 IS Ø.4363/.4356 (S.F. -8A). WAS Ø.1874/.1869 THRU ALL IS Ø.1874/.1869 THRU ALL (P.F. -9). -6 CH'D DIM WAS 4X Ø.1893/.1886 THRU ALL IS 4X Ø.1893/.1886 THRU ALL (S.F. -5). WAS 1.13 IS 4X 1.13. -7 CH'D DIM WAS (Ø2.250) IS Ø2.25. WAS Ø1.13 IS 1.25. -8A, -8B CH'D MATERIAL WAS 1018/1020 IS A36/1018/1020 HR. -8A CH'D DIMS WAS Ø1.625 IS Ø1.63. WAS Ø.1893/.1886 THRU ALL IS Ø.1893/.1886 THRU ALL (S.F. -9). WAS Ø.4385/.4375 IS Ø.4385/.4375 (S.F. -4). WAS 2X Ø.38 $\nabla$ .25 S.F. -8B IS 2X Ø.385/.380 $\nabla$ .25 (S.F. -8B). -8B CH'D DIM WAS (Ø.375) S.F. -8A IS Ø.375/.370 (S.F. -8A). -10 ADDED DIM TO MODIFY SCREW HEAD, ADDED DWG.	11/14/2016	RJC	SM

J -3A MAT. S-7 CHANGED FOR 01 WHP

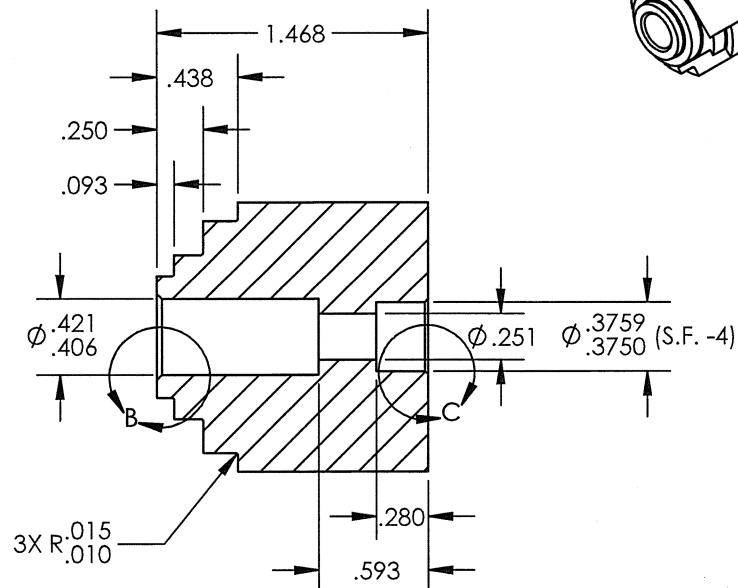
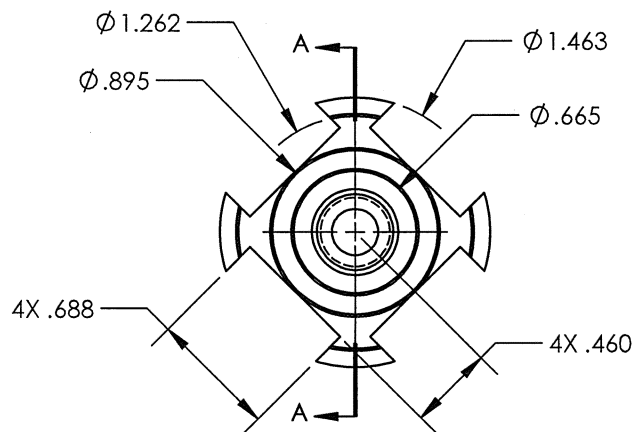


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		B/O	-1	1	SOCKET HEAD SHOULDER BOLT	STEEL	Ø1/4 X 3/8, 10-24 (MCMaster-CARR #91259A535)	1
			-2	1	SHOE	BRASS		2
			-3A	4	FINGER TIP	01		3
			-3B	4	FINGER	4140/4142		4
			-4	1	JACK SCREW	4140/4142		5
		B/O	-5	4	FINGER DOWEL PIN	STEEL	Ø3/16 X 1 (MCMaster-CARR #98381A510)	1
			-6	1	ADJUSTING SCREW	4140/4142		6
			-7	1	ADJUSTING NUT	BRASS		7
	X		-8	1	TEE HANDLE WELDMENT			8
	1		-8A		TEE HANDLE CENTER	A36/1018/1020 HR		9
	2		-8B		TEE HANDLE ROD	A36/1018/1020 HR		10
		B/O	-9	1	TEE HANDLE DOWEL PIN	STEEL	Ø3/16 X 1-1/2 (MCMaster-CARR #98381A514)	1
			-10	8	FLAT HEAD SOCKET CAP SCREW	STEEL	8-32 X 5/16 (MCMaster-CARR #91253A190) MODIFIED	11
	ASSY -8							

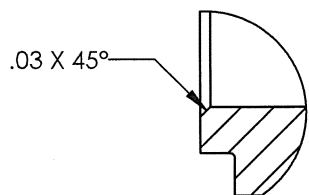
		TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR	
		DWG NO. RB6795590	
REV J		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
MAT'L		.XXX ± .005 FRACTIONS ± 1/8	
HEAT TREAT		.XX ± .01 ANGLES ± 5°	
FINISH		.X ± .1 SURFACES = 125°	
SPEC		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY: PERRITT		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
CHECKED: DUERFELDT		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
OPPS APPR: ANDERSON		USED ON MODEL	
QA APPR: LINDSAY		ROLLS ROYCE C18 & C20	
APPROVED: WHP		DATE 4/11/2008	
SCALE 1:6		SHEET 1 OF 11	

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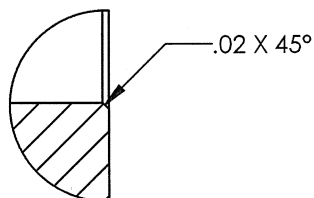
REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
6		CH'D DIMENSION TO LOCATE FLAT FROM .188 (x4) TO .460 (x4) PER G.E.	4/26/2011	RJC
7	15-0051	-2 CH'D DIM WAS Ø.374-.376 IS Ø.3750-.3759.	3/3/2015	DPD
8	16-0218	-2 CH'D DIM WAS Ø.3759/.3750 IS Ø.3759/.3750 (S.F. -4).	11/14/2016	RJC



SECTION A-A



DETAIL B  
SCALE 2 : 1



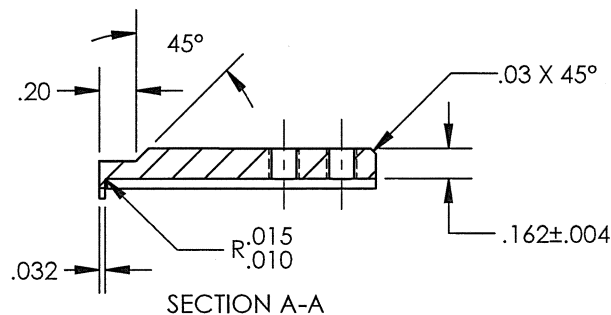
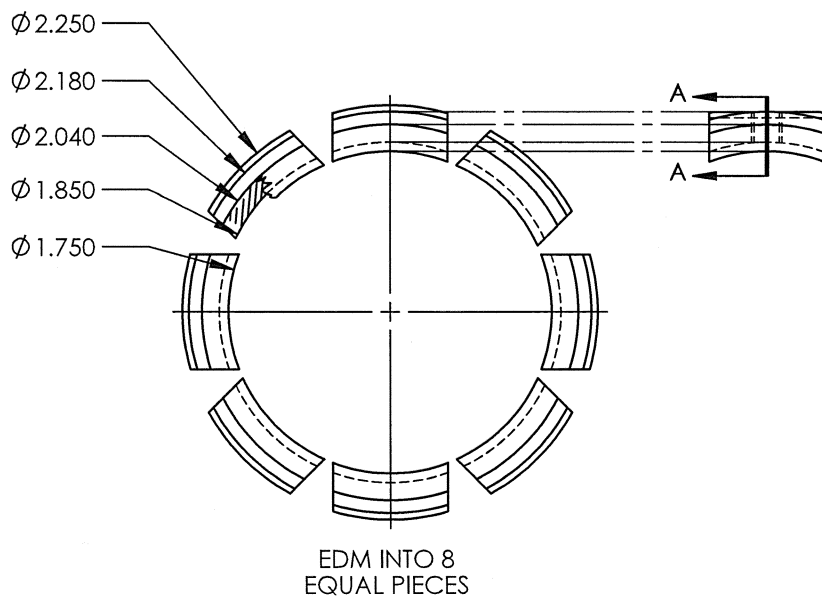
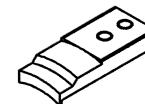
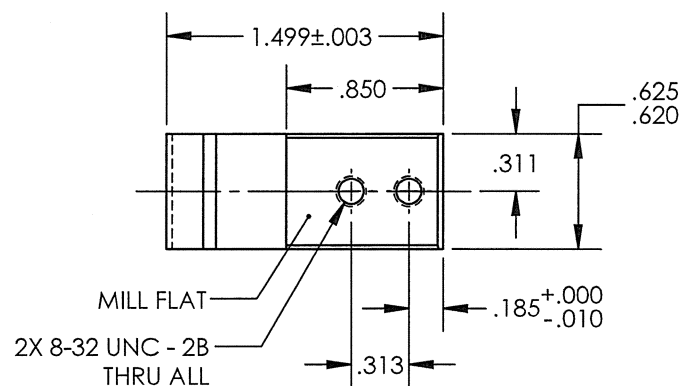
DETAIL C  
SCALE 2 : 1

(-2)  
SHOE

<b>DART AEROSPACE</b>	
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR	
DWG NO. RB6795590-2	REV
MAT'L BRASS HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: PERRITT	USED ON MODEL
CHECKED: DUERFELDT	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	ROLLS ROYCE C18 & C20
SCALE 1:1	DATE 4/11/2008 SHEET 2 OF 11

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CHANGED -3A TO EXTRACTING 8 PIECES FROM EACH TUBE.	11/11/2005	WP	DW
2		-3A CORRECTED O.D., & CHANGED .749 TO .812.	2/18/2006	WP	DW
3		-3A CHANGED DIMENSION .812 TO .850.	3/28/2006	WP	DW
4		-3A CHANGED HEAT TREAT TO OPTIMAL SETTING, WAS RC 36-40.	1/8/2008	WP	DW
8	16-0218	-3A ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D.	11/14/2016	RJC	SM



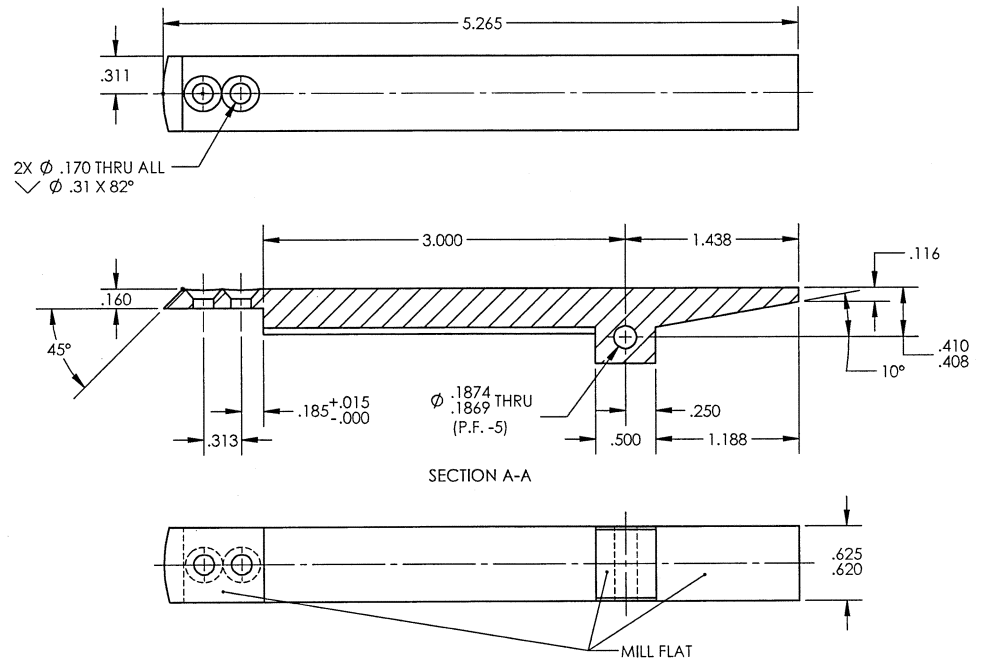
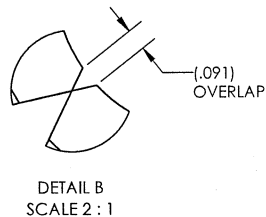
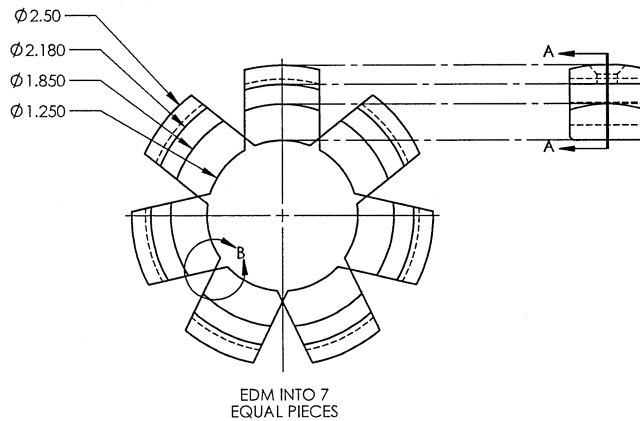
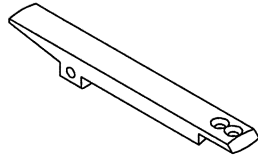
(-3A)

FINGER TIP

<b>DART AEROSPACE</b>	
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR	
DWG NO. RB6795590-3A	REV 3
MAT'L 01	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 55-60	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC QMSI-6.2.2, B.O. REV D	.XX ± .01 ANGLES ± 5°
DRAWN BY: PERRITT	.X ± .1 SURFACES = 125/
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 X 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 4/11/2008	ROLLS ROYCE C18 & C20
SHEET 3 OF 11	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-3B CHANGED TO EXTRACTING 7 PIECES FROM TUBE.	11/11/2005	WP	DW
6		ADDED P.F. -5 TO DOWEL PIN HOLE -3B PER G.E.	4/26/2011	RJC	
7	15-0051	-3B CHD DIMS WAS Ø2.500 IS (Ø2.500), WAS Ø.1870-.1875 P.F. -5 IS Ø.1869-.1874. REMOVED HEAT TREAT.	3/3/2015	DPD	JAG
8	16-0218	-3B CHD DIM WAS (Ø2.500) IS Ø2.50, WAS 2X Ø.170 THRU ALL $\sqrt{\text{Ø.36 X 82°}}$ IS 2X Ø.170 THRU ALL $\sqrt{\text{Ø.31 X 82°}}$ , WAS Ø.1874/.1869 THRU IS Ø.1874/.1869 THRU (P.F. -5). CHD MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-34, ADDED FINISH QMSI-6.2.2, B.O. REV D.	11/14/2016	RJC	SM



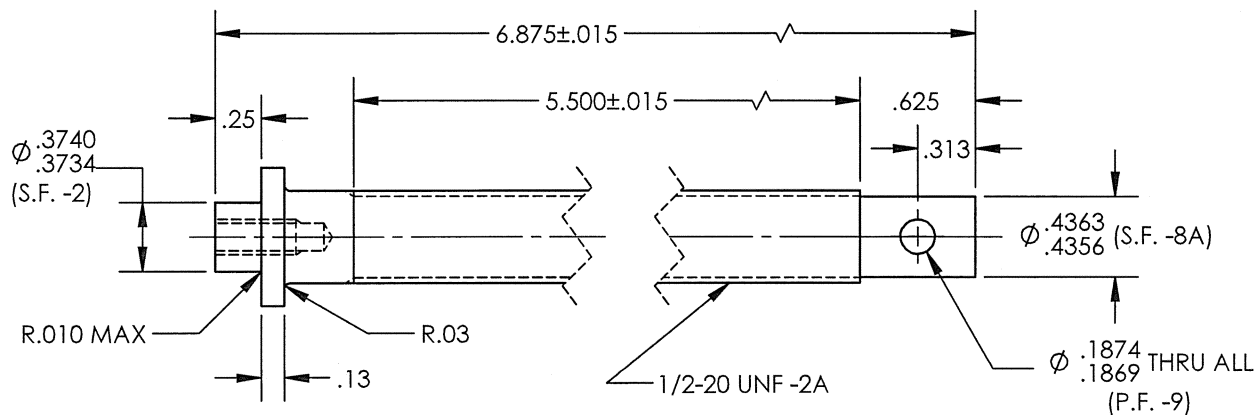
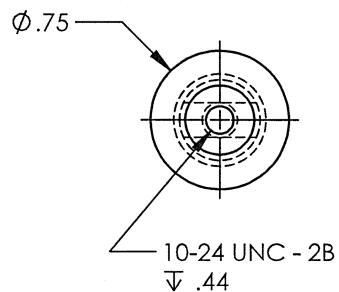
(-3B)

FINGER

<b>DART</b> AEROSPACE	
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR	
DWG NO. RB6795590-3B	
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED:
HEAT RC 28-34	DIMENSIONS ARE IN INCHES
TREAT FINISH BLACK OXIDE	FRACTIONS ± 1/8
SPEC QMSI-6.2.2, B.O. REV D	XXX ± .005
	XX ± .01
	X ± .1
	ANGLES ± 5°
	SURFACES = 125
	1. BREAK ALL SHARP EDGES
	.015 X 45° OR .015R
	2. DIMENSIONAL LIMITS APPLY
	AFTER PLATING
	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DRAWN BY: PERRITT	USED ON MODEL
CHECKED: DUERFELDT	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: MACKOVJAK	ROLLS ROYCE C18 & C20
SCALE 1:1	DATE 4/11/2008
	SHEET 4 OF 11

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
7	15-0051	-4 CH'D DIMS WAS Ø.375 S.F. -2 IS Ø.3734-3740, WAS Ø.4370-.4375 S.F. -8A IS Ø.4356-.4363.	3/3/2015	DPD	JAG
8	16-0218	-4 CH'D DIM WAS (Ø.750) IS .75, WAS Ø.3740/.3734 IS Ø.3740/.3734 (S.F. -2), WAS Ø.4363/.4356 IS Ø.4363/.4356 (S.F. -8A), WAS Ø.1874/.1869 THRU ALL IS Ø.1874/.1869 THRU ALL (P.F. -9), CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-34, ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D.	11/14/2016	RJC	SM



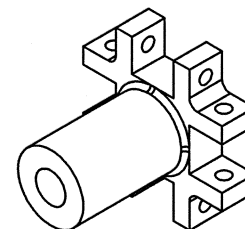
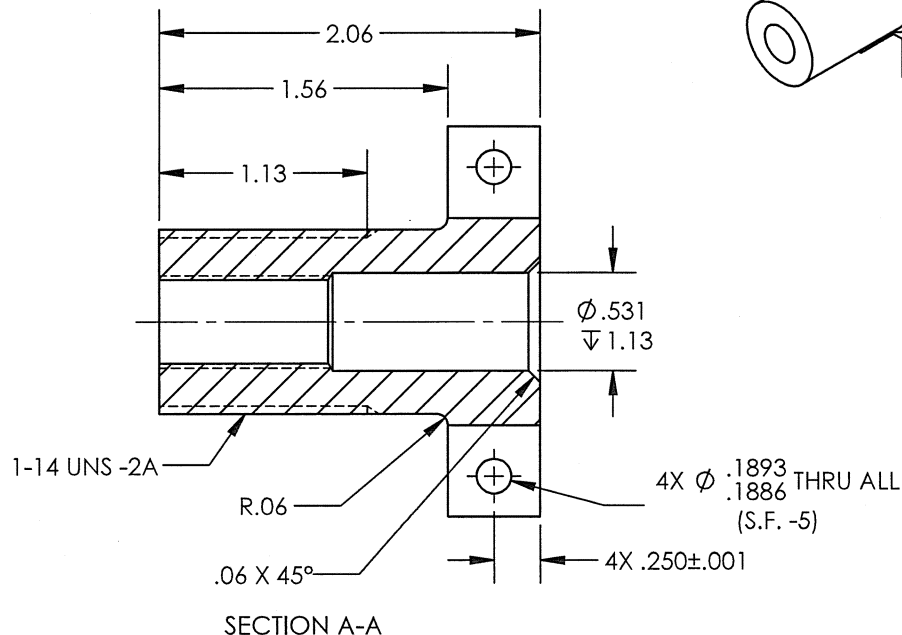
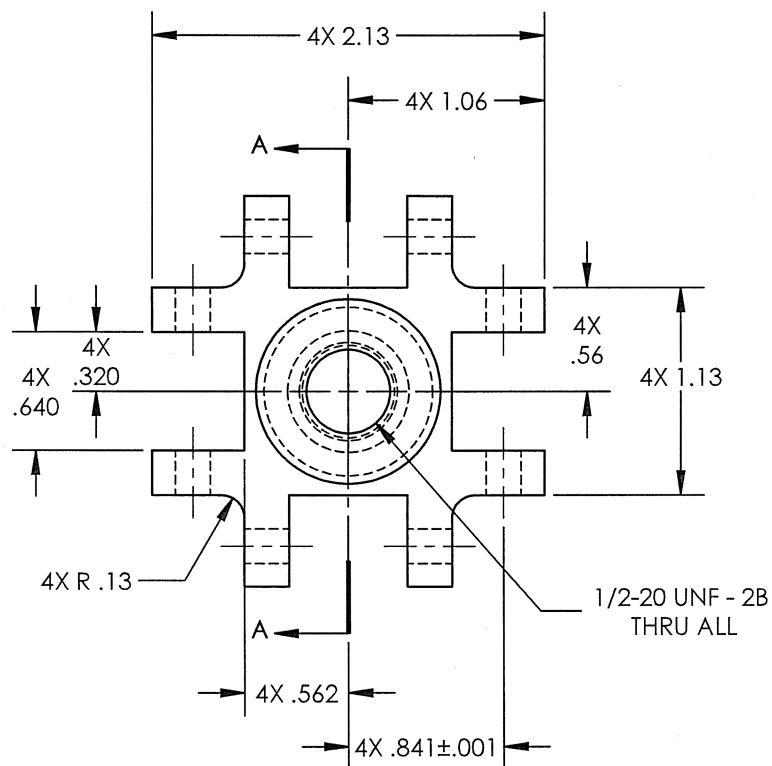
(-4)

JACK SCREW

<b>DART AEROSPACE</b>	
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR	
DWG NO.	RB6795590-4
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT RC 28-34	.XXX ± .005 FRACTIONS ± 1/8
FINISH BLACK OXIDE	.XX ± .01 ANGLES ± 5°
SPEC QMSI-6.2.2, B.O. REV D	.X ± .1 SURFACES = 125/✓
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	ROLLS ROYCE C18 & C20
SCALE 1:1	DATE 4/11/2008
SHEET 5 OF 11	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
7	15-0051	-6 CH'D DIM WAS 4X Ø.1880-.1885 S.F. -5 IS 4X Ø.1886-.1893.	3/3/2015	DPD	JAG
8	16-0218	-6 CH'D DIM WAS 4X Ø.1893/.1886 THRU ALL IS 4X Ø.1893/.1886 THRU ALL (S.F. -5), WAS 1.13 IS 4X 1.13, CH'D MATERIAL WAS 4140/4142 Q&T IS 4140/4142, ADDED HEAT TREAT RC 28-34, ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D.	11/14/2016	RJC	SM

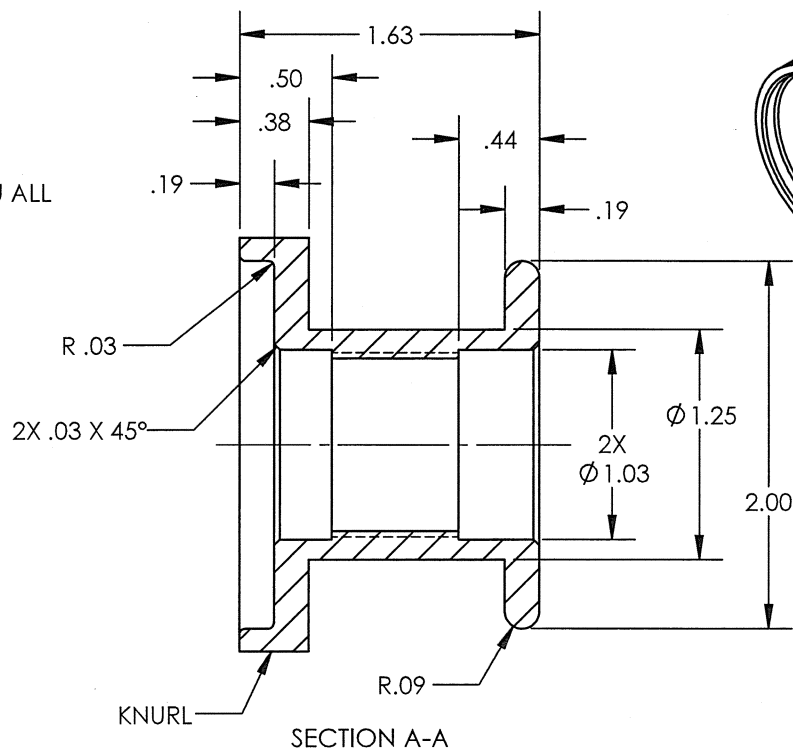
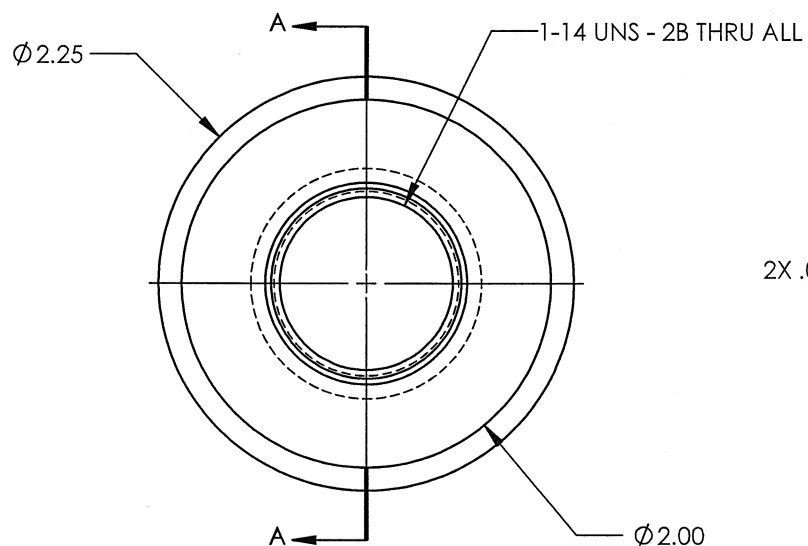


(-6)  
ADJUSTING SCREW

<b>DART AEROSPACE</b>	
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR	
DWG NO.	RB6795590-6
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT RC 28-34	.XXX ± .005 FRACTIONS ± 1/8
FINISH BLACK OXIDE	.XX ± .01 ANGLES ± 5°
SPEC QMSI-6.2.2, B.O. REV D	.X ± .1 SURFACES = 125/✓
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 X 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	ROLLS ROYCE C18 & C20
SCALE 1:1	DATE 4/11/2008
SHEET 6 OF 11	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CHANGED -7 C-BORE DEPTH FROM 1/4 TO 7/16.	11/11/2005	WP	DW
8	16-0218	-7 CH'D DIM WAS (Ø2.250) IS Ø2.25, WAS Ø1.13 IS 1.25.	11/14/2016	RJC	SM



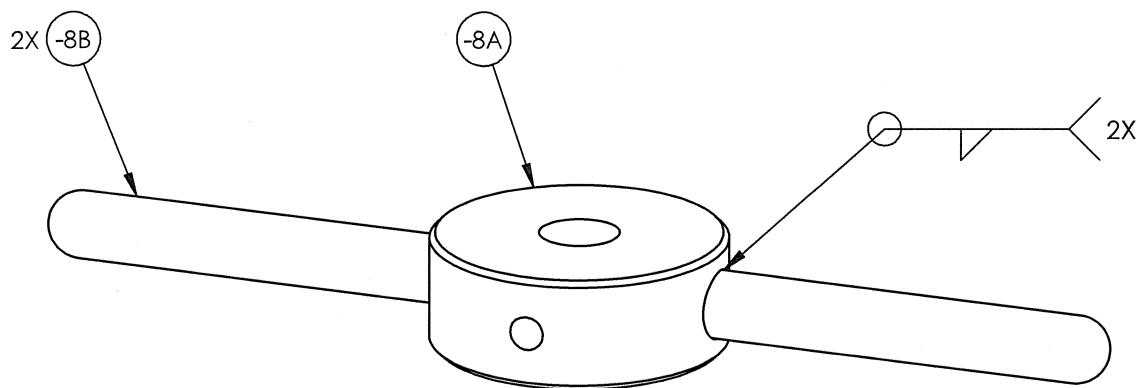
(-7)

ADJUSTING NUT

<b>DART AEROSPACE</b>	
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR	
DWG NO.	RB6795590-7
MAT'L BRASS	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125°
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	ROLLS ROYCE C18 & C20
SCALE 1:1	DATE 4/11/2008 SHEET 7 OF 11

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
8	16-0218	-8 ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D.	11/14/2016	RJC	SM



(-8)

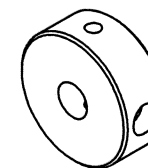
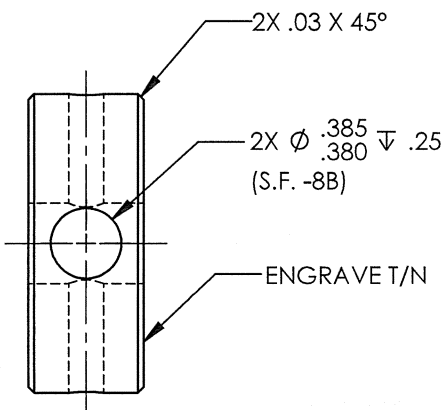
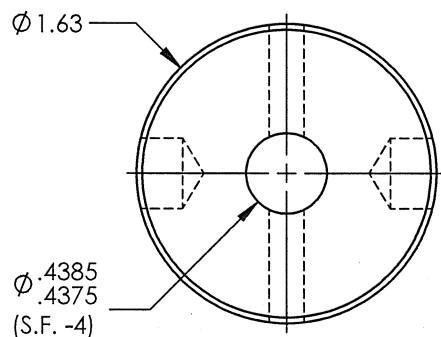
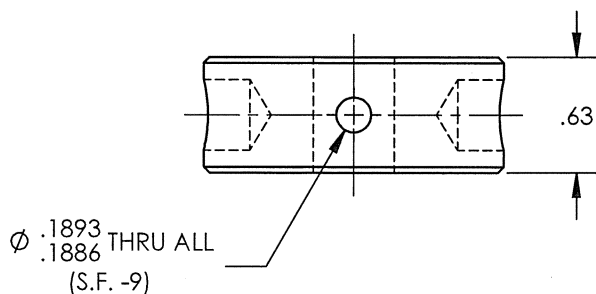
TEE HANDLE WELDMENT

<b>DART AEROSPACE</b>													
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR													
DWG NO.	RB6795590-8												
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SHEET 8 OF 11													



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
7	15-0051	-8A CH'D DIMS WAS Ø.1870-.1875 P.F. -9 IS Ø.1886-.1893, WAS Ø.4377-.4382 THRU S.F. -4 IS Ø.4375-.4385 THRU ALL, WAS 2X Ø.3750-.3755 $\nabla$ 1/4 P.F. -8B IS 2X Ø.38 $\nabla$ .25 S.F. -8B. ADDED ENGRAVE NOTE.	3/3/2015	DPD	JAG
8	16-0218	-8A CH'D DIM'S WAS Ø1.625 IS Ø1.63, WAS Ø.1893/.1886 THRU ALL IS Ø.1893/.1886 THRU ALL (S.F. -9), WAS Ø.4385/.4375 IS Ø.4385/.4375 (S.F. -4), WAS 2X Ø.38 $\nabla$ .25 S.F. -8B IS 2X Ø.385/.380 $\nabla$ .25 (S.F. -8B). CH'D MATERIAL WAS 1018/1020 IS A36/1018/1020 HR.	11/14/2016	RJC	SM



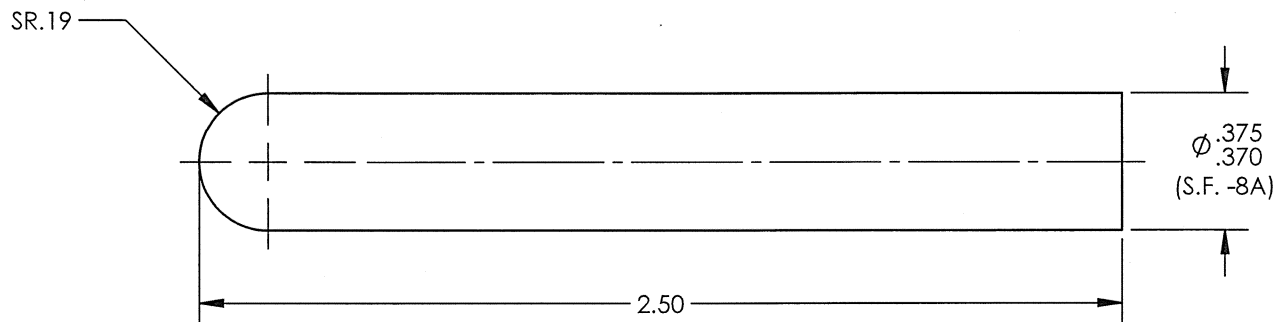
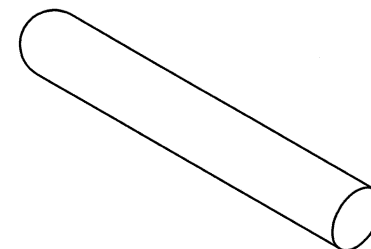
(-8A)

TEE HANDLE CENTER

<b>DART AEROSPACE</b>	
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR	
DWG NO.	RB6795590-8A
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -8 WELDMENT	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125/
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	ROLLS ROYCE C18 & C20
SCALE 1:1	DATE 4/11/2008 SHEET 9 OF 11

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
8	16-0218	-8B CH'D DIM WAS (Ø.375) S.F. -8A IS Ø.375/.370 (S.F. -8A), CH'D MATERIAL WAS 1018/1020 IS A36/1018/1020 HR.	11/14/2016	RJC	SM



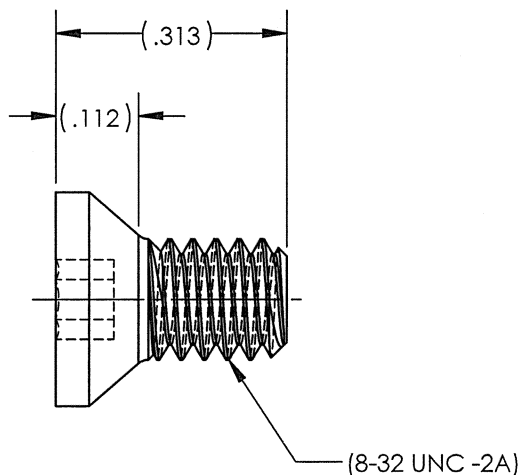
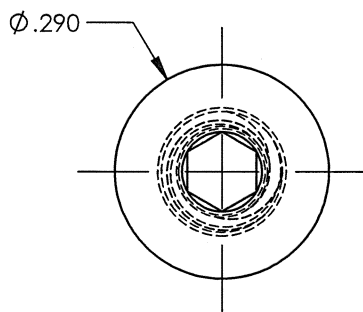
(-8B)

TEE HANDLE ROD

<b>DART AEROSPACE</b>	
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR	
DWG NO.	RB6795590-8B
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -8 WELDMENT	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125 ✓
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APPROVED: MACKOVJAK	ROLLS ROYCE C18 & C20
SCALE 2:1	DATE 4/11/2008 SHEET 10 OF 11

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
8	16-0218	-10 ADDED DIM TO MODIFY SCREW HEAD, ADDED DWG.	11/14/2016	RJC	JAG



(-10)

FLAT HEAD SOCKET CAP SCREW

<b>DART AEROSPACE</b>																											
TITLE BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR																											
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